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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/718,174		
Filing Date .	November 19, 2003		
First Named Inventor	Matthew Vulich		
Art Unit	Unknown		
Examiner Name	Unknown		
Attorney Docket Number	03183249		

				DOCUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SLM		^{US-} 5,720,647	02/24/1998	Gottschald	
		^{US-} 5,919,080	07/06/1999	Savoie	
		^{US-} 6,012,965	01/11/2000	Savoie	
		^{US-} 6,379,215	04/30/2002	Mizuno et al	
		^{US-} 6,464,559	10/15/2002	Roberts et al	
		^{US-} 4,715,147	12/29/1987	Millay et al	
		^{US-} 5,457,868	10/17/1995	Blaimschein	
		^{US-} 5,498,200	03/12/1996	Wemer	
		^{US-} 5,528,878	06/25/1996	Edwards et al	
		^{US-} 5,727,987	3/17/1998	Gottschlad	
		^{US-} 6,241,577	06/05/2001	Shibata	
		^{US-} 6,481,095	11/19/2002	Mizuno	
		^{US-} 4,115,924	09/26/1978	Kleinkopf	
		^{US-} 6,315,642	11/13/2001	Videocoq et al	
		us- 6,298,277	10/02/2001	Videocoq	
		^{US-} 5,882,247	03/16/1999	Longuet et al	
		^{US-} 5,425,665	06/20/1995	Kennedy	
Ţ		^{US-} 6,618,952	09/16/2003	Andrews et al	
SLr		^{US-} 6,428,401	08/06/2002	Carey et al	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Art Unit	Unknown		
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Attorney Docket Number	03183249		

			U. S. PATENT	DOCUMENTS	
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SLM		^{US-} 6,257,968	07/10/2001	Carey et al	,
		^{US-} 6,243,960	06/12/2001	Andrews	
		US- 6,203,409	03/20/2001	Kennedy et al.	
		^{US-} 5.626,511	05/06/1997	Kennedy et al.	
		^{US-} 5,462,475	10/31/1995	Kennedy	
		^{US-} 6,056,633	05/02/2000	Sesena et al.	
		^{US-} 6.478,658	11/12/2002	Logan	
		^{US-} 6,375,554	04/23/2002	Murray et al	
		^{US-} 6.080,044	06/27/2000	Lanham et al	·
		^{US-} 4,711,035	12/08/1987	Logan et al	
		^{US-} 6,588,898	07/08/2003	lwai et.al	
		^{US-} 6,547,642	04/15/2003	Hatano	
		^{US-} 6,497,614	12/24/2002	Kobayashi et al	
		^{US-} 6,428,301	08/06/2002	Fukuma et al	
		US- 6,350,190	02/26/2002	Matsuyama	
		^{US-} 6,336,057	01/01/2002	Obayashi	
T		^{US-} 6,328,628	12/11/2001	Mizuno et al	
		^{US-} 6.325,700	12/04/2001	Mizuno et al	
SLM		^{US-} 6,290,569	09/18/2001	Mizuno et al	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/718,175			
Filing Date	November 19, 2003			
First Named Inventor	Matthew Vulich			
Art Unit	Unknown			
Examiner Name	Unknown			
Attorney Docket Number	03183249			

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Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
3LM		^{US-} 6,283,826	09/04/2001	Mizuno	
		^{US-} 6,263,583	07/24/2001	Mizuno et al.	
		^{US-} 6,261,150	07/17/2001	Mizuno et al.	
		^{US-} 6,250,989	06/26/2001	Mizuno	
		^{US-} 6,241,577	06/05/2001	Shibata	
		^{US-} 6,222,624	04/24/2001	Yonezawa	
		^{US-} 6,220,929	04/24/2001	Mizuno	
		^{US-} 6,220,927	04/24/2001	Mizuno et al.	
		^{US-} 6,220,926	04/24/2001	Mizuno	
		^{US-} 6,159,072	12/12/2000	Shibata	
		^{US-} 6,123,604	09/26/2000	Mizuno et al.	
		^{US-} 6,099,383	08/08/2000	Mizuno et al.	
		^{US-} 6,095,896	08/01/2000	Kobayashi	
		^{US-} 6.089,957	07/18/2000	Shibata	
		^{US-} 6,074,280	06/13/2000	Mizuno et al	
		^{US-} 6,059,635	05/09/2000	Mizuno	
		^{US-} 6,050,877	04/18/2000	Shibata et al.	
		^{US-} 6,048,258	04/11/2000	Shibata	
SW		^{US-} 6,045,432	04/04/2000	Shibata	

		FORE	IGN PATENT DOCU	MENTS	-	
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Signature	Shantese	McDonald	Considered	ા (વા૦4

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number 10/718,175 Filing Date November 19, 2003 First Named Inventor Matthew Vulich Art Unit Unknown **Examiner Name** Unknown 03183249 **Attorney Docket Number**

Examiner	Cite	Document Number	Publication Date	T DOCUMENTS Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	Number-Kind Code ² (* known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
SUH		^{US-} 5,890,949	04/06/1999	Shibata	
1		^{US-} 5,803,793	09/08/1998	Mizuno et al.	
		US- 5,716,256	02/10/1998	Mizuno et al.	
		^{US-} 6,538,573	03/25/2003	Mizuno	
		^{US-} 6,606,154	08/12/2003	Oda	
		^{US-} 6,621,568	09/16/2003	Yonezawa	
		^{US-} 6,379,215	04/30/2002	Mizuno et al.	
		US- 6,427,094	07/30/2002	Mizuno et al.	
		^{US-} 6,427,350	08/06/2002	Asaoka et al.	
		^{US-} 6,409,574	06/25/2002	Shibata	
SLX		US- 2001/000383	06/07/2001	Roberts et al	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear		
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Examiner Signature	Shauter	McDenah	Date Considered	114/04

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3 TRAU Substitute for form 1449/PTO				Complete If Known		
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INF	ORMATION	DIS	CLOSURE	Filing Date	November 19, 2003	
STA	STATEMENT BY APPLICANT			First Named Inventor	Matthew Vulich	
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(Use as many sheets as necessary)				Examiner Name	Unknown	
Sheet	5	of	5	Attorney Docket Number	03183249	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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